

ENGLISH

BOOKS:

Hornbill (Course Book)

Snapshots (Supplementary Reader) JULY: Hornbill

1. The Portrait of a Lady (Prose)

2. A Photograph (Poem)

AUGUST: Hornbill

(1) We're not Afraid to Die if We're Together

Snapshots

(1) The Summer of the Beautiful White Horse (Prose)

Writing Task

- Poster

- Speech

Grammar –

(1) Gap Filling (Tenses, Clauses)

(2) Transformation of Sentences

SEPTEMBER: Hornbill

(1) Discovering Tut

Snapshots

(1) The Address (Prose)

Writing task

(1) Note- Making & Summarizing

Grammar OCTOBER: Hornbill

(1) The Adventure

(2) Father to Son (Poem)

Snapshots

(1) Birth (Prose)

Writing task

(1) Debate

(2) Note- Making & Summarizing

Grammar

(1) Gap Filling (Tenses, Clauses)

NOVEMBER: Hornbill

(1) Silk Road

DECEMBER: Hornbill

(1) Childhood (Poem)

Snapshots

(1) Mother's Day (Play)

Writing task

(1) Classified Advertisement

Grammar

(1) Reordering Sentences

JANUARY : Snapshots

(1) The Laburnum Top (Poem)

Snapshots

(1) The Tale of the Melon City

(3) Note Making (Practice)

FEBRUARY: Hornbill

(1) Voice of the Rain (Poem)

PHYSICS

April:

Physical World & Units and Measurements

Motion in a Straight Line

May:

Motion in Plane

July:

Motion in Plane (contd)

Laws of

Motion August:

Work, Energy and

Power Rotational Motion

September: Revision

October:

Gravitation

Mechanics of

Solids **November:**

Mechanics of Fluids

Thermal Properties of Matter

December:

Thermal Properties of Matter (contd.)

Thermodynamics & Kinetic Theory of

Gases Oscillations

January :

Waves

February: Revision

CHEMISTRY

April:

Some Basic Concepts of

Chemistry Structure of Atom

May:

Structure of Atom (contd.)

Classification of Elements and Periodicity in Properties

July:

Chemical Bonding and

Molecular Hydrocarbon

August:

Hydrocarbon (contd.)

September :

Chemical Thermodynamics

October:

Redox Reaction

November :

Organic Chemistry

December:

Equilibrium

January:

Equilibrium(contd.

)Revision

February :

Revision

BIOLOGY**April**

The Living World

Biological

Classification

Plant Kingdom

Animal Kingdom

July

Morphology of Flowering Plants

Anatomy of Flowering Plants

Structural Organisation in

Animals

Cell-The Unit of Life

Cell Cycle and Cell

Division

Biomolecules

Biomolecules

October

Photosynthesis in Higher Plants

Cellular Respiration

November-

Plant - Growth and Development

Breathing and Exchange of

Gases

Body Fluids and

Circulation

Excretory Products and their Elimination

Locomotion and Movement

Neural Control and Coordination

January-

Chemical Coordination and Integration

Revision

BIOTECHNOLOGY

April:

Biotechnology: An Overview

Biomolecules: Building Blocks

May:

Biomolecules: Building Blocks(continued)

July:

Macromolecules: Structure & Function

August:

The Basic Unit of Life

September:

Cell Growth and Development

October:

Cell Growth and Development (continued)

November:

Concepts of Genetics

December:

Genes and Genomes: Structure and Function

January:

Genes and Genomes: Structure and Function (continued)

Revision

COMPUTER SCIENCE

April and May:

Computer System and Organization – Architecture, Types of Software

Boolean Logic, Number System

Computational Thinking and Programming – Flow charts and

Algorithm, Introduction to Python

July:

Data Types, Comments, Operators and types, Errors, conditional Statements

August:

Conditional Statements contd. – if, if..else, if..elif, Iteration Statements – while and for

September:

Strings Traversal Operations

October:

Lists – Definition, traversal and methods

November:

Tuples and Dictionaries

December:

Introduction to Python Modules – math, random and statistics

January:

Society Law and Ethics – Cyber Safety, Appropriate use of SocialNetworking Sites, IPR, Privacy Laws, Technology and society

INFORMATIC PRACTICES**April :**

Introduction to Computer System – Architecture, Types of Software Memory and Evolution of software devices

May

Introduction Python – Basics, Modes, Variables, data types, input and Debugging, conditional Statement

July:

Iterative Statements – For and while

August and September:

Lists – Definition, traversal and methods

October:

Dictionaries – Definition, traversal and Methods

November:

Database Concepts and Structured Query Language – RDBMS and basicConcepts

December:

Introduction to MYSQL - DDL and DML Commands

January:

Introduction to Emerging Trends

MATHEMATICS**April/May**

1. Sets

2. Relations & Functions

3.Linear Inequalities

4.Trigonometric

Functions**July**

4. Trigonometric Functions TO BE CONTINUED

5. Complex Numbers and Quadratic Equations.

6. Limits and Derivatives

August

6. Limits and Derivatives to be continued

7. Permutations and Combination

Revision and first terminal examination

September:

Revision and first terminal examination

October:

8. Sequence and Series
9. Binomial Theorem
10. Straight Lines

November:

10. Straight Lines to be continued
11. Conic Sections
12. Introduction to Three-dimensional Geometry

December:

13. Statistics
14. Probability

January:

Revision for terminal examination

ACCOUNTANCY**April–May :****Part A: Financial****Accounting-1** Theoretical

Framework Introduction to

Accounting Basic Accounting

Terms Accounting Process

Recording of Business Transactions:

Voucher and Transactions Source documents,

Accounting Equation Approach:

Meaning and Analysis, Rules of Debit and Credit.

July - August :

Goods and Services Tax (GST):

Characteristics and Objective

Recording of Transactions: Books of Original Entry

Journal and Posting to Ledger: Format, Posting from journal Balancing

of accounts and preparation of Trial Balance

Simple GST calculation:

Special Purpose books: Cash Book: Simple Cash Book with bank
column and petty cashbook;

Purchases Book, Sales Book, Purchases Return Book, Sales Return Book

and Journal Proper, Posting from Subsidiary Books.

Theory Base

of Accounting, Accounting Standards

System of Accounting. Basis of Accounting

September:

REVISION

MID TERM EXAMINATION

October:

Bank Reconciliation Statement: Need and preparation

Depreciation, Provisions and Reserves

November:

Trial balance and Rectification of Errors. Financial Statements of Sole Proprietorship:

December:

Part B: Financial Accounting-II

Financial Statements of Sole Proprietorship:

Preparation of Trading and Profit and Loss account and Balance Sheet of a sole proprietorship without adjustments

Preparation of Trading and Profit and Loss account and Balance Sheet of a sole proprietorship with adjustments. Single Entry System of

AccountingPROJECT WORK

January:

REVISION

BUSINESS STUDIES

April - May :

Part A Foundations of Business

Unit 1 : Evolution and Fundamentals of Business

Unit 2 : Forms of Business Organisations and Formation of Company

July - August :

Unit 3 : Public, Private and Global

EnterprisesUnit 4 : Business Services

Unit 5 : Emerging Modes of Business. Unit Unit 6 : Social Responsibility of Business and BusinessEthics

September:

REVISION

MID TERM EXAMINATION

October:

Part B Finance and Trade

Unit 7 : Sources of Business Finance.

Unit 8 : Small Business and Entrepreneurship Development

November :

Unit 9 : Internal Trade.

December :Unit 10 : International Business

PROJECT WORK

January:

REVISION

ECONOMICS

April:

Introduction-Micro Consumer's Equilibrium and demand

i- Consumer's

equilibriumii- Demand

iii- Elasticity of demand

May:

Introduction-Statistics

- i- What is Economics
- ii- Meaning and scope

Collection and Organisation of data

- i- collection of data
- ii- Organisation of data

July:

Presentation of data

- v- Tabular presentation
- vi- Diagrammatic presentation
- v- Graphic presentation

August:

Statistical tools and interpretation

- i-Measures of central tendency - Mean

September:

Producer's Behaviour and supply

- iii- Cost

October:

- iv- Revenue
- v - Producer's Equilibrium

November:

Production function

Forms of market and price determination

- i- Features of different markets
- Statistical tools and interpretation
- ii- Positional Averages and Partition Values

December:

Forms of market and price determination

- (continued)i- Features of different markets
- i-Market equilibrium under Perfect market

Measures of Correlation

January:

Introduction to Index Numbers

Preparation of a Project Report

PSYCHOLOGY

April - May:

1. What is Psychology?
2. Methods of Enquiry in Psychology (to be contd.)

July :

2. Methods of Enquiry in Psychology
3. Human Development

August:

4. Sensory, Attentional and Perceptual Processes(to be contd.)

September:

Revision & Mid Term Exam

OCTOBER :

Sensory, Attentional and Perceptual Processes

November:

5. Learning

December:

6. Human Memory

7. Thinking

January:

8. Motivation and Emotion

February:

Revision

LEGAL STUDIES**April, July****Unit 1 Introduction to Political Institutions**

Chapter 1: Concept of State

Chapter 2: Forms and Organs of Government

Chapter 3: Separation of Powers

Unit 2 Basic features of the Constitution of India

Chapter 1: Salient Features of the Constitution of India

Chapter 2: Administrative law

August**Unit 3 Jurisprudence, Nature and Sources of Law**

Chapter 1: Jurisprudence, Nature and Meaning of Law

Chapter 2: Classification of Laws

Chapter 3: Sources of

Laws Chapter 4: Law

Reform

Chapter 5 : Cyber Laws, Safety and Security in India

September

Revision

October

Unit 3: Historical Evolution of Indian Legal System

November

Unit 4: Judiciary : Constitutional, Civil And Criminal Courts And Processes

December

Unit 5: Family Justice System

Jan-Feb

(cont.) Family justice

system Case study &

Revision

POLITICAL SCIENCE

PART-A: Indian Constitution at Work

Chapter-1 Constitution

Chapter-2 Rights in the Indian constitution

Chapter-9 Constitution as a living document

May

Chapter-3 Election and Representation

Chapter-10 philosophy of Indian constitution

July

Chapter-4 The Executive

Chapter-5 The

Legislature

Chapter-6 The

Judiciary

Chapter-7 Federalism

Chapter-8 Local Government

September

Revision

PART-B: Political Theory

Chapter-1 Political Theory: An

Introduction

Chapter-2 Liberty

Chapter-3 Equality

November:

Chapter-4 Justice

Chapter-5 Rights

Chapter-6

Citizenship

December

Chapter-7 Nationalism

Chapter-8 Secularism

January

Revision

HINDUSTANI MUSIC MELODIC INSTRUMENTS- (30% Theory, 70% Practical)

April & May:

Theory: (Unit – 1.1, 4.1, 4.2) Brief study of the following: Nada, Shruti, Swara, Saptak, Taat, jati, Laya, Tala. Knowledge of the Structure of the Instrument opted for.

Practical: Alankars with fingering and strokes. Description of prescribed Talas along with Tala Notation- in Thah, Dugunand Chaugun Prescribed Talas- Teentala.

July: Theory: Brief study of the following: Margi- Desi, Nibaddha- Anibaddha Gan, Raga, Gat.

Practical: Description of prescribed Talas along with Tala Notation- in Thah, Dugunand Chaugun Ektaal. Introduction of Raga – Bihag and Razakhani Gat .

August:

Theory: Dhrupad , Maseetkhani and Razakhani Gat.

Practical: Description of prescribed Talas along with Tala Notation- in Thah, Dugunand ChaugunPrescribed Tala – Chautaal. Introduction of Raga Bhimpalasi and Razakhani Gat.

September: Revision and Mid- term

October:

Theory: Brief study of Musical Elements of NatyaShastra.

Practical: Description of prescribed Talas along with Tala Notation- in Thah, Dugunand ChaugunPrescribed Talas- Teentaal, Ektaal & Chautala.
Introduction of Raga Bhairavi and Razakhani Gat.

November:

Theory: Life sketch and Contribution of Tansen, V.N. Bhatkhande and V.DPaluskar.

Practical: Raga- Bihag, Bhimpalasi, Bhairavi- Taan and Jhala.

December:

Theory: Critical study of prescribed Ragas along with Recognizing Ragas from phrases of Swarasand elaborating them. Writing in Notation the Compositions of prescribed Ragas

Practical: Raga- Bihag , Bhairavi & Bhimpalasi Taan and Jhala.

January:

Theory: Elaboration and Revision of all the Ragas and Taals.

February: Evaluation.

PHYSICAL EDUCATION

April: Unit 1 - Changing Trends and Career in Physical
EducationPractical - Physical Fitness Components

May: Unit 2- Olympic Values
Practical: Game
(Badminton)

July: Unit 3 –Yoga
Unit 4 - Physical Education for
CWSNPractical - Yoga Asanas

August: Unit 5- Physical Fitness Health and,
WellnessUnit 6 - Test and Measurement
Practical: SAI Physical Fitness Tests

Sep.: Unit 6 - Test and Measurement
Revision

Oct.: Unit 7- Fundamentals of Anatomy, Physiology in
sportsPractical - Record File - Physical Fitness
evaluation

Nov.: Unit 8 - Fundamentals of Kinesiology and biomechanics in Sports
Unit 9 - Psychology and sports
Practical – Fitness Activities

Dec.: Unit 10 - Training and doping in sports
Practical - Physical Fitness - Games
Skills

Jan. & Feb.: Revision
Practical- exam

PAINTING

May / June:

INDUS VALLEY STUDY OF UNICORN BULL AND PAINTED
EARTHENWARESCULPTURE

1. LION CAPITAL
2. CHAURI BEARER {YAKSHINI}
3. BODHISATTVA HEAD {KUSHAN PERIOD}
4. SEATED BUDDHA {MATHURA}

July:

SCULPTURES

1. SEATED BUDDHA {SARNATH}
2. JAIN TIRTHANKARA {SARNATH}
3. AJANTA

CAVES

August:

SCULPTURES

1. PADMAPANI BODHISATTVA
2. A ROARING ANIMAL
3. WIZARD DANCE

September:

REVISION OF SIX LIMBS OF INDIAN PAINTING AND SCULPTURES

October:

SCULPTURES

1. DESCENT OF GANGA
2. RAMNA SHAKING KAILASHI
3. TRIMURTI LAXMII NARAYAN

November:

SCULPTURES

1. MOTHER AND CHILD
2. CYMBAL PLAYER
3. NATRAJ

December:

INDO-ISLAMIC ARCHITECTURE

1. QUTUB MINAR

2. TAJ MAHAL
3. GOL GUMBAZ

January:

REVISION ABOUT

1. RAMNA SHAKING KAILASHI
2. CYMBAL PLAYER
3. INDO ISLAMIC ARCHITECTURE

February:

REVISION ABOUT

1. CONCEPT OF INDUS VALLEY
2. INDO-ISLAMIC ARCHITECTURE
3. QUTUB MINAR, TAJ MAHAL, GOL GUMBAZ

YOGA

Yoga (841)

April and May:

Unit 1 – Introduction to Yoga and Yogic Practices - I (Subject Specific Skills)
Practical

Unit 1 - Communication Skills – III (Employability Skills)

July and August:

Unit 2 – Introduction to Yoga Texts - I (Subject Specific Skills),
Practical

Unit2- Self Management Skills-III (Employability Skills)

Sep:

Revision

Oct:

Unit 3 – Yoga for Health Promotion – I (Subject Specific Skills)
Practical

Unit 3 - Information and Communication Technology Skills – III

Nov:

Unit 3 – Yoga for Health Promotion – I (Subject Specific Skills)
Practical

Unit 3 - Information and Communication Technology Skills – III

Unit 4 - Entrepreneurial Skills- III

Dec:

Unit 3 – Yoga for Health Promotion – I (Subject Specific Skills)
Practical

Unit 5 - Green Skills – III

Jan & Feb:

Revision and Practical

WORK EXPERIENCE

April:

Intro to Digital Graphic Designing

May:

Digital Infographic Designing (Continued)

July:

Graphics & Layout Techniques

August:

Logo Designing & Typography

September:

Project Work

October:

Vector Designing using Presentations

November:

Presentations and Motion Graphics

December:

Professional Office - Word Processor

January:

Professional Office – Word Processor Contd.

February:

Project Work

CLASS 11TH (2022-23) PAINTING**APRIL-** A. Pre-Historic Rock-Paintings Introduction

- 1) Period and Location
- 2) Study and appreciation of following pre-historic paintings:
I. Wizard's Dance, Bhimbethaka

MAY- B. Introduction

- 1) Period and Location.
- 2) Extension: In about 1500 miles.
 - i. Harappa & Mohenjo-Daro (Now in Pakistan)
 - ii. Ropar, Lothal, Rangpur, Alamgirpur, Kali Bangan, Banawali and Dholavira (in India)

JULY- Study and appreciation of following:

Sculptures and Terra cottas:

- i. Dancing girl (Mohenjo-Daro) Bronze, 10.5 x 5 x 2.5 cm. Circa 2500 B.C.
(Collection: National Museum, New Delhi).
- ii. Male Torso (Harappa) Red lime Stone, 9.2 x 5.8 x 3 CMS. Circa 2500 B.C.
(Collection: National Museum, New Delhi)
- iii. Mother Goddess (Mohenjo-Daro) terracotta, 22 x 8 x 5 c Circa 2500 B.C.
(Collection: National Museum, New Delhi).

AUGUST- Study and appreciation of following Seal:

- i. Bull (Mohenjo-Daro) Stone (Steatite), 2.5 x 2.5 x 1.4 cm. Circa 2500 B.C.
(Collection: National Museum, New Delhi). Decoration on earthen wares: Painted earthen-ware (Jar) Mohenjo-Daro (Collection: National Museum, New Delhi).

SEPTEMBER- Buddhist, Jain and Hindu Art (3rd century B.C. to 8th century A.D.)

1. General Introduction to Art during Mauryan, Shunga, Kushana (Gandhara and Mathura styles) and Gupta period:
2. Study and appreciation of following Sculptures:
 - i. Lion Capital from Sarnath (Mauryan period) Polished sandstone, Circa 3rd Century

B.C.(Collection: Sarnath Museum, U.P.)

II. Chauri Bearer from Didar Ganj (Yakshi) (Mauryan period) Polished sandstone Circa 3rd Century B.C. (Collection: Patna Museum, Bihar)

III. Seated Buddha from Katra Mound, Mathura-(Kushan Period Mathura Style) Red-spotted Sand Stone, Circa 3rd Century AD. (Collection: Govt. Museum, Mathura)

IV. Jain Tirathankara (Gupta period) Stone Circa 5th Century A.D. (Collection: State Museum, Lucknow U.P.)

3. Introduction to Ajanta Location Period, no of caves, Chaitya and Vihara, paintings and sculptures, subject matter and technique etc.

OCTOBER- Temple Sculpture, Bronzes and artistic aspects of Indo-Islamic Architecture

(A) Artistic aspects of Indian Temple sculpture (6th Century A.D. to 13th Century A.D.)

1) Introduction to Temple Sculpture (6th Century A.D. to 13th Century A.D.)

2) Study and appreciation of following Temple-Sculptures:

i. Descent of Ganga (Pallava period, Mahabalipuram, Tamil Nadu), granite rock Circa 7th Century A.D.

ii. Trimuti (Elephanta, Maharashtra) Stone Circa 9th Century A.D.

iii. Lakshmi Narayana (Kandariya Mahadev Temple) (Chandela period, Khajuraho, Madhya Pradesh) Stone Circa 10th Century A.D.

iv. Cymbal Player, Sun Temple (Ganga Dynasty, Konark, Orissa) Stone Circa 13th Century A.D.

v. Mother and Child (Vimal-Shah Temple, Solanki Dynasty, Dilwara, Mount Abu; Rajasthan) white marble, Circa 13th Century A.D.

NOVEMBER- Bronzes:

1. Introduction to Indian Bronzes.

2. Method of casting (solid and hollow)

3. Study and appreciation of following South Indian Bronze:

i. Nataraj (Chola period Thanjavur Distt., Tamil Nadu) 12th Century A.D. (Collection : National Museum, New Delhi)

DECEMBER-Artistic aspects of the indo-Islamic architecture:

1. Introduction

2. Study and appreciation of following architecture: i. Qutub Minar, Delhi

ii. Gol Gumbad of Bijapur

APPLIED MATHEMATICS

APRIL

*Sets

*Relations

MAY

*Sequences and Series

JULY

*Permutations and Combinations

*Numbers and Quantification

AUGUST

*Numerical Application

*Mathematical Reasoning

SEPTEMBER

*Calculus

OCTOBER

*Calculus (Continuation)

*Probability

NOVEMBER

*Descriptive Statistics

*Basics Of Financial Mathematics

DECEMBER

*Coordinate Geometry

JANUARY

*Revision